CAS 86-30-6

Substance name N-Nitrosodiphenylamine

Toxicity

N-nitrosodiphenylamine is considered a carcinogen by two authoritative sources.[1,2] In laboratory animals it causes bladder tumors, and reticulum cell sarcomas. It is structurally similar to other carcinogenic nitrosamines.[1,2]

Exposure

N-nitrosodiphenylamine has been used as an additive in the manufacturing process for vehicle tires and some other rubber products.[3] Use and production has declined since the 1970s as it was replaced by other chemicals.[3] The Danish EPA found N-nitrosodiphenylamine in one out of 4 balloons tested.[4]

References

1. U.S. EPA Integrated Risk Information System (IRIS) for n-nitrosodiphenylamine (last revised 1993). http://www.epa.gov/IRIS/subst/0178.htm.
2. California Office of Environmental Health Assessment. Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity. September 11, 2009. http://oehha.ca.gov/prop65/prop65_list/files/P65single091009.pdf.
3. U.S. Department of Health and Human Services, Agency for Toxic Substances and Disease Registry. Toxicological Profile for N-Nitrosodiphenylamine. April, 1993. http://www.atsdr.cdc.gov/toxprofiles/tp16.pdf.
4. Danish Ministry of the Environment, Environmental Protection Agency. 2007. Analysis of chemical substances in balloons. Survey of chemical substances in consumer products, No 89. http://www2.mst.dk/Udgiv/publications/2007/978-87-7052-662-3/pdf/978-87-7052-664-7.pdf.